

NOTICE TO MARINERS

Issue Date: 05th March 2021

VIKING LINK Project

Pre-Sweeping Works UK – Version 2 Update

Mariners are advised about sand wave Pre-Sweeping Works planned for the Viking Link project which is a HVDC electricity transmission interconnector between Denmark and England, a joint venture between National Grid and Energinet.

The Pre-Sweeping Works covered by this notice are in UK waters and they are planned to commence on the **17th February 2021** with expected completion by the end of March 2021.

In some locations of the cable route (**Figure 1**), previous survey results have indicated mobile seabed sediments, in particular sand waves/mega ripples which, by their mobile nature, tend to have a steep side and crest which can easily cause problems when trying to bury the cable.

Pre-Sweeping Works consist of the dredging of sand waves/mega ripples in the following areas of the cable route:

| | | ETRS89 – UTM31 | | | ETRS89 | |
|--------|------|----------------|-------------|--------------|---------------|----------------|
| | | Geodetic KP | Easting [m] | Northing [m] | Latitude | Longitude |
| AREA 1 | From | 468.200 | 424343 | 5992400 | 54° 04.454' N | 001° 50.623' E |
| | To | 484.000 | 409058 | 5989267 | 54° 02.617' N | 001° 36.668' E |
| AREA 2 | From | 538.000 | 363397 | 5963374 | 53° 48.058' N | 000° 55.547' E |
| | To | 547.000 | 355787 | 5958654 | 53° 45.391' N | 000° 48.751' E |
| AREA 3 | From | 549.000 | 354516 | 5957154 | 53° 44.562' N | 000° 47.638' E |
| | To | 558.000 | 350054 | 5949466 | 53° 40.343' N | 000° 43.805' E |
| AREA 4 | From | 566.000 | 346867 | 5942186 | 53° 36.365' N | 000° 41.128' E |
| | To | 568.000 | 346116 | 5940354 | 53° 35.365' N | 000° 40.502' E |
| AREA 5 | From | 595.500 | 326412 | 5925533 | 53° 27.011' N | 000° 23.152' E |
| | To | 597.000 | 324993 | 5925057 | 53° 26.726' N | 000° 21.887' E |
| AREA 6 | From | 603.000 | 325538 | 5919528 | 53° 23.758' N | 000° 22.562' E |
| | To | 618.000 | 321294 | 5908478 | 53° 17.720' N | 000° 19.111' E |

The Pre-Sweeping Works are being managed by **Prysmian PowerLink** carried out by **DEME Boskalis JV** and planned to be carried out by mobilizing the Trailing Suction Hopper Dredgers (TSHDs) **Scheldt River (Figure 2a)** and **Bonny River (Figure 2b)**.

The TSHD is a specially designed, powerful sea-going dredging vessel equipped with one or two suction pipes and a large hopper to contain the dredged materials for transport between the dredging location and the disposal area.

Once the hopper approaches the dredge location, it lowers the dredger-head attached to the lower end of the suction pipe to the seabed. The seabed material is loosened and removed from the seabed to form the trench by a combination of suction provided by the dredge pump located in the vessel's hull, the forward motion of the vessel and the cutting and jetting characteristics of the dredger-head teeth and jets. The removed soil is raised via the suction pipe into the vessel's hopper. There, the sand material settles due to gravity and the water flows back to the sea through the overflows situated in the hopper. When loading of the hopper is completed, the TSHD will relocate to a discharge area, in the close vicinity, where the seabed material will be placed by opening the bottom doors.

Each TSHD will be assisted in her works by a dedicated survey vessel: **Geo Focus (Figure 3a)** will assist Scheldt River, while **Patriot (Figure 3b)** will assist Bonny River.

In **Figure 4a** and **Figure 4b**, the expected TSHDs transit routes (coming from Zeebrugge, Belgium for Scheldt River and Vlissingen, the Netherlands for Bonny River) to start and end of pre-sweeping scope of work are showed.

Vessels are requested to pass at a safe speed and distance and fishing vessels are advised to remain a safe distance, approximately 1000m (0.5 nautical miles) from the areas identified. During these works the vessel will have restricted maneuverability as it completes its work scope.

VHF CH 16 will be monitored at all times and will be used to contact the coastguard in the event of an emergency.



Figure 1 – Viking Link Cable Route & working area



Figure 2a – Pre-Sweeping Works vessel Scheldt River

Name:
Scheldt River
IMO:
9778143
MMSI:
205708000
Call Sign:
ORSB



Figure 3b – Pre-Sweeping Works vessel Bonny River

Name:
Bonny River
IMO:
9810939
MMSI:
253665000
Call Sign:
LXSI



Figure 4a – Survey vessel Geo Focus

Name:
Geo Focus
IMO:
9628855
MMSI:
246836000
Call Sign:
PCOS



Figure 5b – Survey vessel Patriot

Name:
Patriot
IMO:
9845245
MMSI:
244110559
Call Sign:
PDEN

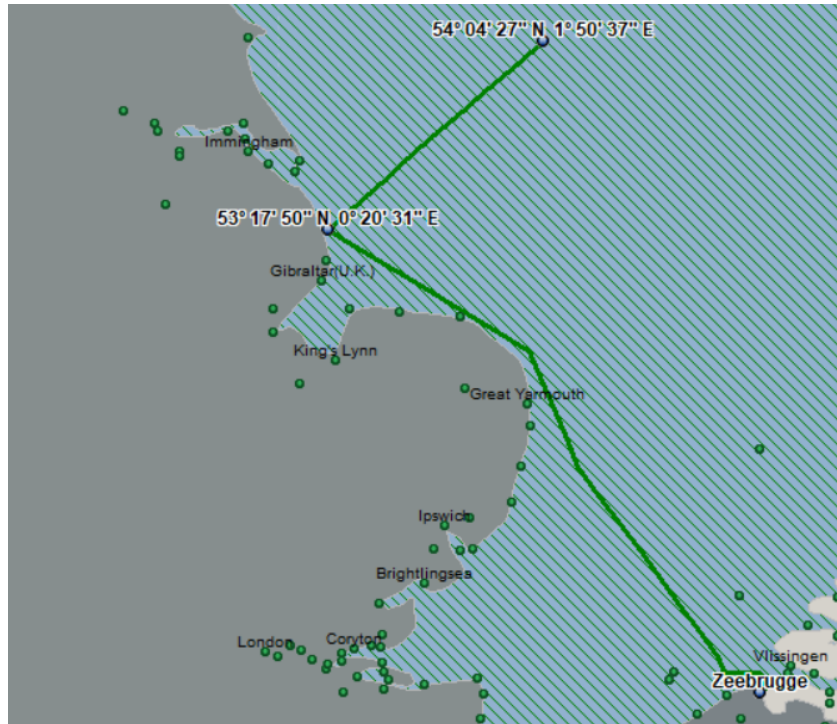


Figure 6a – Expected TSHD transit route to start and end of pre-sweeping scope of work, coming from Zeebrugge (Belgium) – Scheldt River

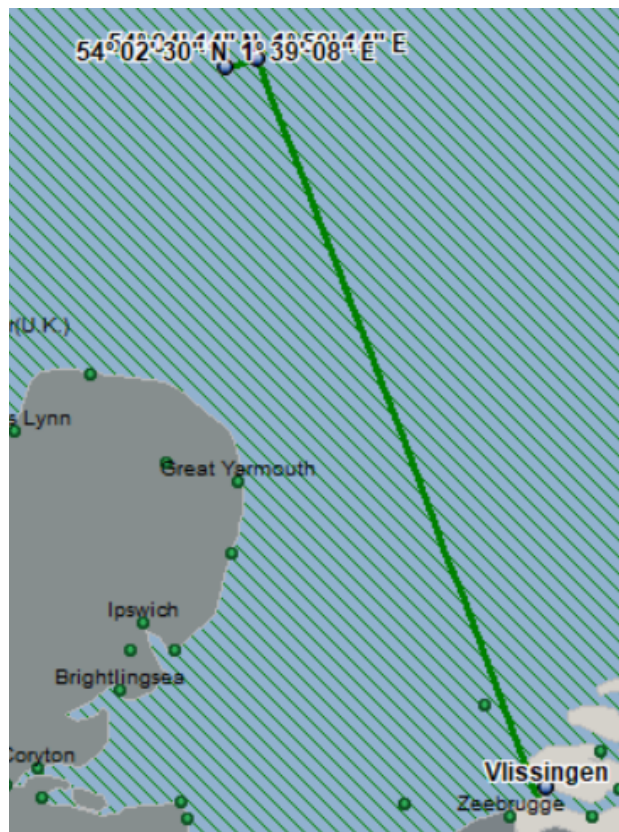


Figure 7b – Expected TSHD transit route to start and end of pre-sweeping scope of work, coming from Vlissingen (The Netherlands) – Bonny River

Contact Details:

Further enquiries should be addressed to the following contacts:

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| Vessel (Bonny River) | Captain.BonnyRiver@ships.deme Vessel Mobile: +32 473 84 31 63 VSAT Bridge: +49 421 517 291 911 |
| Vessel (Geo Focus) | Call Sign: PCOS IMO Number: 9628855 MMSI: 246836000 |
| Vessel (Patriot) | Call Sign: PDEN IMO Number: 9845245 MMSI: 244110559 |